

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-192302  
(43)Date of publication of application : 03.08.1993

(51)Int.Cl. A61B 5/00  
G01K 11/00  
G01N 22/00

(21)Application number : 04-008634 (71)Applicant : RES DEV CORP OF JAPAN

ICHIMURA TSUTOMU

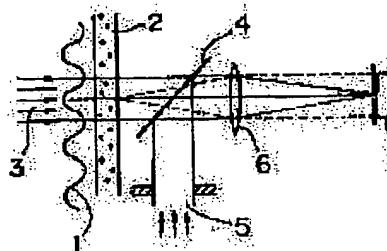
(22)Date of filing : 21.01.1992 (72)Inventor : ICHIMURA TSUTOMU  
INABA FUMIO

## (54) DEVICE FOR MEASURING INTERNAL TEMPERATURE DISTRIBUTION WITH MICROWAVE

### (57)Abstract:

PURPOSE: To obtain a device which measures an internal temperature distribution in an organism by selectively removing a microwave, that is picking out only a component travelling straight without diffraction in the organism and the like from a transmission microwave.

CONSTITUTION: A composition means 4 sums a measurement microwave 3 which a sample 1 has transmitted and a reference microwave 5 which differs in frequency from the microwave 3. The composition microwave is received by microwave receiver 7. The receiver 7 has a detection detecting microwaves distributed on a microwave receiving surface and detects a beat component of the measured composite wave and then, detects a rectilinear propagation component of the microwave 3, which the sample 1 has transmitted.



### LEGAL STATUS

[Date of request for examination] 18.01.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3034675

[Date of registration] 18.02.2000

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]